Matorney Docket No. IMMR006/01US

PATENT

JUL 0 7 2004 EIN THE UNITED STATES PATENT AND TRADEMARK OFFICE CEIVED

TRADE appln. of Alex S. GOLDENBERG et al.

Serial No.: 09/927 416

09/927,416

Confirmation No.: 6403

Art Unit:

2838

Filed:

August 10, 2001

For:

ACTUATOR THERMAL PROTECTION IN HAPTIC FEEDBACK DEVICES

U.S. Patent and Trademark Office 220 20th Street South Customer Window, Mail Stop Amendment Crystal Plaza Two, Lobby, Room 1B03 Arlington, VA 22202

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Enclosed is an Information Disclosure Statement and accompanying Form PTO/SB/08A for the above-identified patent application.

- In accordance with 37 C.F.R. §1.97(b), no additional fee for submission of the IDS is required.
- In accordance with 37 C.F.R. §1.97(c), also enclosed is: [x]
 - the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p); or [x]
 - a statement as specified in 37 C.F.R. §1.97(e).
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Attorney Docket Number: IMMR006/01US Application Serial No.: 09/927,416

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The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 50-1283.

Dated: July 7, 2004

Cooley Godward LLP ATTN: Patent Group One Freedom Square Reston Town Center 11951 Freedom Drive Reston, VA 20190-5656

Tel: (703) 456-8000 Fax: (703) 456-8100 Respectfully submitted, COOLEY GODWARD LLP

By:

Erik B. Milch Reg. No. 42,887

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IN T	HE UNITED STATES PATE	NT AND TH	RADEMARK OFFICE			
In re appln.	of Alex S. GOLDENBERG et al.		RECE			
Serial No.:	09/927,416	Examiner:	Younghuie Jessica Han			
Confirmation	n No.: 6403	Art Unit:	2838			
Filed:	August 10, 2001					
For: AC	TUATOR THERMAL PROTECTIO	ON IN HAPTIO	C FEEDBACK DEVICES			
	indow, Mail Stop Amendment a Two, Lobby, Room 1B03					
	INFORMATION DISCL UNDER 37 C.		TEMENT			
In ac	cordance with the duty of disclosure	set forth in 37	C.F.R. §1.56, Applicant(s)			
hereby subm	its the following information in conf	ormance with	37 C.F.R. §§1.97 and 1.98.			
[x]	Pursuant to 37 C.F.R. §1.98, a cop PTO/SB/08 is provided on the enc		cument cited in the attached Form			
[]	•					
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[]	Publication(s) listed on the foreign search or examination rep and mailed on					
[]	Enclosed is a copy of a non-Engli M.P.E.P., Applicant submits the which cites such non-English lang	attached forei	gn search or examination report			
[]	Enclosed is a copy of a non-En					

Enclosed is an explanation of non-English publication(s) ___ for which an English translation is not available.

Attorney Docket Number: IMMR006/01US Application Serial No.: 09/927,416

Page 2

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	[]	Enclos	sed is a	copy of pending patent Application Serial No				
1.97(b			ion Disc e mailin	closure Statement is filed after the period specified in 37 C.F.R. § ag of:				
		[x]	a final	action under 37 C.F.R. §1.113;				
		[]	a notic	e of allowance under 37 C.F.R. §1.311; or				
		[]	an acti	on that otherwise closes prosecution in this application.				
	In acc	ordance	with 37	7 C.F.R. §1.97(c) also enclosed is:				
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of the Information Disclosure Statement.

Disclosure Statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing date

Attorney Docket Number: IMMR006/01US Application Serial No.: 09/927,416

Page 3

It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: July 7, 2004

Cooley Godward LLP ATTN: Patent Group One Freedom Square Reston Town Center 11951 Freedom Drive Reston, VA 20190-5656

Tel: (703) 456-8000 Fax: (703) 456-8100 Respectfully submitted, COOLEY GODWARD LLP

By:

Erik B. Milch Reg. No. 42,887

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Tequines to respond to a concessor to	Complete if Known	CIVED
Application Number	09/927,416	100
Filing Date	August 10, 2001	220
First Named Inventor	Alex S. Goldenberg	"" 73
Art Unit	2838	20-
Examiner Name	Younghuie Jessica Han	, CEM
Attorney Docket Number	IMMR006/01US	TEL ST.

U.S. PATENT DOCUMENTS							
		Document Number					
Examiner	Cite No.1	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear		
		6,422,941	7/23/2002	Thorner et al.			
		6,160,489	12/12/2000	Perry et al.	•		
		6,111,577	8/29/2000	Zilles et al.			
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		5,575,761	11/19/1996	Hajianpour			
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		2.972.140	2/14/1961	Hirsch			

Examiner	Cito	Cite Foreign Patent Document			Name of Patentee or	Pages, Columns, Lines,		
Initials*	No.1	Country Code ³	Number ⁴	Kind	d Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear
		JP	H2-185278			7/19/1990	Taito Corporation	
		JP	H4-8381			1/13/1992	Epoch Co. and Key- Planning Co.	
		JP	H7-24147			1/27/1995	Sega Corporation	
		JP ·	H5-192449			8/3/1993	Taito Corporation	

Examiner Signature	Date Considered	

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Sheet 2 of 3

	Complete if Known	JED
Application Number	09/927,416	Ela
Filing Date	August 10, 2001	(2 <u>00</u> 0)
First Named Inventor	Alex S. Goldenberg	13 12
Art Unit	2838	111
Examiner Name	Younghuie Jessica Han	100
Attorney Docket Number	IMMR006/01US	CHEE

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
		PATRICK, "Design, Construction, and Testing of a Fingertip Tactile Display for Interaction with Virtual and Remote Environments," <i>Master of Science Thesis</i> , MIT, Aug. 1990, archived Nov. 8, 1990.	
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		BLISS, "Optical-to-Tactile Image Conversion for the Blind," IEEE Transactions on Man-Machine Systems, Vol. MMS-11, No. 1, March 1970.	
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		AUKSTAKALNIS et al., "Silicon Mirage: The Art and Science of Virtual Reality," ISBN 0-938151-82-7, pp. 129-180, 1992.	
		EBERHARDT et al., "Inducing Dynamic Haptic Perception by The Hand: System Description and Some Results," DSC-Vol. 55-1, <i>Dynamic Systems and Control</i> : Volume 1, ASME 1994.	
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		"Cyberman Technical Specification," Logitech Cyberman SWIFT Supplement to Logitech Mouse Technical Reference and Programming Guide, 4/5/1994.	
,		OUHYOUNG et al., "The Development of A Low-Cost Force Feedback Joystick and Its Use in the Virtual Reality Environment," Proceedings of the Third Pacific Conference on Computer Graphics and Applications, Pacific Graphics '95, Seoul, Korea, 21-24 August 1995.	
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		LAKE, "Cyberman from Logitech," at http://www.ibiblio.org/GameBytes/issue21/greviews/cyberman.html, 1994.	
		"Component Maintenance Manual With Illustrated Parts List, Coaxial Control Shaker Part no. C-25502," Safe Flight Instrument Corporation, Revised 28 January 2002 (3 pages).	

Examiner	Date	
Signature	Considered	

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Sheet 3 of 3

	Complete if Known	
Application Number	09/927,416	T. C.
Filing Date	August 10, 2001	The sh
First Named Inventor	Alex S. Goldenberg	C. 1/23
Art Unit	2838	1,3
Examiner Name	Younghuie Jessica Han	11/2
Attorney Docket Number	IMMR006/01US	ત્ર

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		"Technical Manual Overhaul Instructions With Parts Breakdown, Coaxial Control Shaker Part no. C-25502," Safe Flight Instrument Corporation, Revised 15 July 1980 (23 pages).					
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		YAMAKITA et al., "Tele-Virtual Reality of Dynamic Mechanical Model," Proceedings of the 1992 IEEE/RSJ International Conference on Intelligent Robots and Systems, Raleigh, NC, July 7-10, 1992					
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		ROSENBERG, "Virtual Fixtures: Perceptual Overlays Enhance Operator Performance In Telepresence Tasks," Ph.D. Dissertation, Stanford University, June 1994.					

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Signature	Considered	

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